

Study Number: C15011B-01
Test Type: TOX
Route: Whole-Body Inhalation
Species/Strain: Rat/Harlan Sprague Dawley

PA18: Incidence Rates of Non-Neoplastic Lesions by Anatomic Site with Average Severity Grades
Test Compound: 2-Ethyltoluene
CAS Number: 611-14-3

Date Report Requested: 03/31/2021
Time Report Requested: 08:30:52
Lab: Battelle

Study Number: C15011B-01
Study Gender: Both
PWG Approval Date: See web page for date of PWG Approval
Version: v1.1.9

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F0 Female

Treatment Groups (ppm)

	0	150	300	600	900	1200
Disposition Summary						
Animals Initially In Study	12	12	12	12	12	12
Censored			1	1	2	
Early Deaths						
Found Dead						4
Sacrificed, Moribund					4	8
Survivors						
Scheduled Sacrifice, Terminal	12	12	11	11	6	
Number Animals Examined Microscopically					2	10
ALIMENTARY SYSTEM						
LIVER	(0)	(0)	(0)	(0)	(2)	(4)
CENTRIOBULAR; HEMORRHAGE					2 [2.0]	4 [2.0]
HEPATODIAPHRAGMATIC NODULE						1
CENTRIOBULAR; NECROSIS					2 [4.0]	4 [3.5]
STOMACH, FORESTOMACH	(0)	(0)	(0)	(0)	(2)	(10)
HEMORRHAGE					2 [2.5]	10 [2.9]
ULCER; FOCAL						3 [1.0]
ULCER; MULTIPLE						1 [2.0]
STOMACH, GLANDULAR	(0)	(0)	(0)	(0)	(2)	(10)
EROSION; FOCAL						2 [1.0]
HEMORRHAGE					1 [1.0]	1 [1.0]
ULCER; FOCAL						1 [1.0]
CARDIOVASCULAR SYSTEM						
No Tissues/Organs Examined						
ENDOCRINE SYSTEM						
No Tissues/Organs Examined						

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	F0 Female					
	Treatment Groups (ppm)					
	0	150	300	600	900	1200
GENERAL BODY SYSTEM						
No Tissues/Organs Examined						
GENITAL SYSTEM						
No Tissues/Organs Examined						
HEMATOLYMPHOID SYSTEM						
LYMPH NODE, MESENTERIC	(0)	(0)	(0)	(0)	(0)	(1)
SINUS ERYTHROCYTOSIS						1 [4.0]
INTEGUMENTARY SYSTEM						
No Tissues/Organs Examined						
MUSCULOSKELETAL SYSTEM						
No Tissues/Organs Examined						
NERVOUS SYSTEM						
No Tissues/Organs Examined						
RESPIRATORY SYSTEM						
No Tissues/Organs Examined						
SPECIAL SENSES SYSTEM						
No Tissues/Organs Examined						
URINARY SYSTEM						
KIDNEY, LEFT	(0)	(0)	(0)	(0)	(1)	(0)
KIDNEY, RIGHT	(0)	(0)	(0)	(0)	(1)	(0)

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F1 Male: F1 Biosample

	Treatment Groups (ppm)	
	0	600
Disposition Summary		
Animals Initially In Study	6	6
Censored		3
Early Deaths		
Found Dead		2
Sacrificed, Moribund		1
Survivors		
Scheduled Sacrifice, Terminal	6	
Number Animals Examined Microscopically		5
ALIMENTARY SYSTEM		
STOMACH, FORESTOMACH	(0)	(1)
STOMACH, GLANDULAR	(0)	(4)
CARDIOVASCULAR SYSTEM		
No Tissues/Organs Examined		
ENDOCRINE SYSTEM		
No Tissues/Organs Examined		
GENERAL BODY SYSTEM		
No Tissues/Organs Examined		
GENITAL SYSTEM		
No Tissues/Organs Examined		
HEMATOLYMPHOID SYSTEM		
THYMUS	(0)	(1)
EDEMA		1 [3.0]
HEMORRHAGE		1 [2.0]
LYMPHOCYTE; NECROSIS		1 [3.0]

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F1 Male: F1 Biosample

	Treatment Groups (ppm)	
	0	600
INTEGUMENTARY SYSTEM		
SKIN	(0)	(1)
EDEMA		1 [2.0]
MUSCULOSKELETAL SYSTEM		
No Tissues/Organs Examined		
NERVOUS SYSTEM		
No Tissues/Organs Examined		
RESPIRATORY SYSTEM		
No Tissues/Organs Examined		
SPECIAL SENSES SYSTEM		
No Tissues/Organs Examined		
URINARY SYSTEM		
No Tissues/Organs Examined		

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F1 Female: F1 Biosample

	Treatment Groups (ppm)	
	0	600
Disposition Summary		
Animals Initially In Study	6	6
Censored		2
Early Deaths		
Found Dead		3
Sacrificed, Moribund		1
Survivors		
Scheduled Sacrifice, Terminal	6	
Number Animals Examined Microscopically		5
ALIMENTARY SYSTEM		
STOMACH, FORESTOMACH	(0)	(1)
HEMORRHAGE		1 [4.0]
STOMACH, GLANDULAR	(0)	(4)
HEMORRHAGE		1 [1.0]
CARDIOVASCULAR SYSTEM		
No Tissues/Organs Examined		
ENDOCRINE SYSTEM		
No Tissues/Organs Examined		
GENERAL BODY SYSTEM		
No Tissues/Organs Examined		
GENITAL SYSTEM		
No Tissues/Organs Examined		
HEMATOLYMPHOID SYSTEM		
LYMPH NODE, MESENTERIC	(0)	(1)
SINUS ERYTHROCYTOSIS		1 [4.0]
INTEGUMENTARY SYSTEM		
No Tissues/Organs Examined		

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F1 Female: F1 Biosample

Treatment Groups (ppm)

0

600

MUSCULOSKELETAL SYSTEM

No Tissues/Organs Examined

NERVOUS SYSTEM

No Tissues/Organs Examined

RESPIRATORY SYSTEM

No Tissues/Organs Examined

SPECIAL SENSES SYSTEM

No Tissues/Organs Examined

URINARY SYSTEM

No Tissues/Organs Examined

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Lab: Battelle

F1 Male: F1 Core

	Treatment Groups (ppm)			
	0	150	300	600
Disposition Summary				
Animals Initially In Study	8	8	8	8
Censored				4
Early Deaths				
Found Dead				3
Sacrificed, Moribund				1
Survivors				
Scheduled Sacrifice, Terminal	8	8	8	
Number Animals Examined Microscopically	8	8	8	8
ALIMENTARY SYSTEM				
LIVER	(8)	(1)	(8)	(8)
CENTRIOBULAR; HEMORRHAGE				3 [1.7]
HEPATODIAPHRAGMATIC NODULE		1		
CENTRIOBULAR; NECROSIS				7 [3.1]
PHARYNX	(8)	(0)	(8)	(8)
STOMACH, GLANDULAR	(0)	(0)	(0)	(5)
HEMORRHAGE				3 [1.0]
CARDIOVASCULAR SYSTEM				
No Tissues/Organs Examined				
ENDOCRINE SYSTEM				
No Tissues/Organs Examined				
GENERAL BODY SYSTEM				
No Tissues/Organs Examined				
GENITAL SYSTEM				
No Tissues/Organs Examined				

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F1 Male: F1 Core

	Treatment Groups (ppm)			
	0	150	300	600
HEMATOLYMPHOID SYSTEM				
LYMPH NODE, BRONCHIAL	(7)	(0)	(6)	(4)
LYMPH NODE, MEDIASTINAL	(7)	(0)	(7)	(3)
INTEGUMENTARY SYSTEM				
SKIN	(0)	(0)	(0)	(2)
HEMORRHAGE				1 [2.0]
MUSCULOSKELETAL SYSTEM				
No Tissues/Organs Examined				
NERVOUS SYSTEM				
BRAIN	(8)	(0)	(8)	(8)
RESPIRATORY SYSTEM				
LARYNX	(8)	(0)	(8)	(8)
LUNG	(8)	(0)	(8)	(8)
ALVEOLUS; CRYSTALS	1 [1.0]			
ALVEOLUS; HEMORRHAGE			1 [1.0]	1 [2.0]
NOSE	(8)	(8)	(8)	(8)
OLFACTORY EPITHELIUM; ATROPHY; DIFFUSE		8 [1.6]	8 [2.0]	
ATROPHY; NEURONAL		8 [1.3]	8 [2.0]	
OLFACTORY EPITHELIUM; DEGENERATION; DIFFUSE				8 [2.0]
TRACHEA	(7)	(0)	(8)	(5)
SPECIAL SENSES SYSTEM				
No Tissues/Organs Examined				
URINARY SYSTEM				
KIDNEY	(8)	(0)	(8)	(8)
PELVIS; DILATION			1 [2.0]	2 [2.0]
NEPHROPATHY	1 [1.0]		4 [1.0]	2 [1.0]

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F1 Female: F1 Core

	Treatment Groups (ppm)			
	0	150	300	600
Disposition Summary				
Animals Initially In Study	8	8	8	8
Censored				5
Early Deaths				
Found Dead				2
Sacrificed, Moribund				1
Survivors				
Scheduled Sacrifice, Terminal	8	8	8	
Number Animals Examined Microscopically	8	8	8	8
ALIMENTARY SYSTEM				
LIVER	(8)	(2)	(8)	(8)
CENTRIOBULAR; HEMORRHAGE				3 [1.0]
HEPATODIAPHRAGMATIC NODULE		2		
CENTRIOBULAR; NECROSIS				8 [2.6]
PHARYNX	(8)	(0)	(8)	(8)
STOMACH, GLANDULAR	(0)	(0)	(0)	(7)
HEMORRHAGE				3 [1.0]
CARDIOVASCULAR SYSTEM				
No Tissues/Organs Examined				
ENDOCRINE SYSTEM				
No Tissues/Organs Examined				
GENERAL BODY SYSTEM				
No Tissues/Organs Examined				
GENITAL SYSTEM				
No Tissues/Organs Examined				

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	Treatment Groups (ppm)			
	0	150	300	600
HEMATOLYMPHOID SYSTEM				
LYMPH NODE, BRONCHIAL	(6)	(0)	(8)	(4)
LYMPH NODE, MEDIASTINAL	(7)	(0)	(7)	(8)
LYMPH NODE, MESENTERIC	(0)	(0)	(0)	(1)
SINUS ERYTHROCYTOSIS				1 [4.0]
THYMUS	(0)	(0)	(0)	(2)
NECROSIS				2 [3.0]
INTEGUMENTARY SYSTEM				
SKIN	(0)	(0)	(0)	(2)
MUSCULOSKELETAL SYSTEM				
No Tissues/Organs Examined				
NERVOUS SYSTEM				
BRAIN	(8)	(0)	(8)	(8)
RESPIRATORY SYSTEM				
LARYNX	(8)	(0)	(8)	(8)
LUNG	(8)	(0)	(8)	(8)
NOSE	(8)	(8)	(8)	(8)
OLFACTORY EPITHELIUM; ATROPHY; DIFFUSE		8 [1.9]	8 [2.0]	
ATROPHY; NEURONAL		8 [1.9]	8 [2.0]	
OLFACTORY EPITHELIUM; DEGENERATION; DIFFUSE				8 [2.0]
TRACHEA	(8)	(0)	(8)	(8)
SPECIAL SENSES SYSTEM				
No Tissues/Organs Examined				

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	0	150	300	600
URINARY SYSTEM				
KIDNEY	(8)	(0)	(8)	(8)
PELVIS; LEFT; DILATION			1 [2.0]	
PELVIS; INFLAMMATION; ACUTE				1 [1.0]
NEPHROPATHY	2 [1.0]		4 [1.0]	1 [1.0]

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LEGEND

Censored animals are scheduled for sacrifice prior to the end of the study. The censored animals are included in the pathology data.

Number of animals examined given for each tissue. If none of the animals examined have the specific lesion then there is a blank for that dose group for that specific lesion. Mean severity grade denoted by 1 - minimal, 2 - mild, 3 - moderate, 4 - marked.

Number of animals with observation reported with mean severity grade in square brackets

**** END OF REPORT ****